

### **REMARKS**

Claims 1-29 are now pending in the application. The Examiner is respectfully requested to reconsider and withdraw the rejections in view of the amendments and remarks contained herein.

Applicant would like to thank Examiner Nguyen for courtesy extended during the interview on August 25, 2005. During the interview, the Examiner agreed that Claim 1 as amended distinguishes over the prior art of record. A copy of the Examiner interview is attached hereto.

### **REJECTION UNDER 35 U.S.C. § 112**

Claim 1 stands rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point and distinctly claim the subject matter which Applicant regards as the invention. Applicant has amended Claim 1 to delete "broadband". This rejection is respectfully traversed.

### **REJECTION UNDER 35 U.S.C. § 102**

Claims 1-3, 13-15, and 20-23 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Marz (U.S. Patent No. 6,731,165 B1). This rejection is respectfully traversed.

Marz does not show, teach or suggest a compensation circuit including a first impedance having one end that communicates with an input of the first amplifier stage and an opposite end that communicates with an output of the second amplifier stage.

7

Therefore, Claim 1 is allowable for at least this reason. Claim 11 directly depends from Claim 1 and is therefore allowable for at least similar reasons.

Claim 13 is allowable for at least similar reasons as Claim 1.

Claims 20 and 21-23 directly or indirectly depend from Claim 13 and are allowable for at least similar reasons.

#### **ALLOWED AND ALLOWABLE SUBJECT MATTER**

Claims 24-29 were allowed.

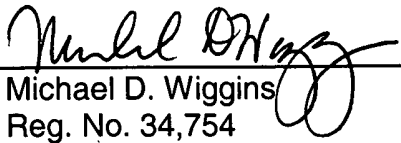
The Examiner states that claims 4-12 and 16-19 would be allowable if rewritten in independent form. Accordingly, Applicants have amended claims 4-6 and 16-18 to include the limitations of the base claim and any intervening claims. Claims 2, 3, 7, 8-10 and 12 now depend from Claim 6. Claims 14, 15 and 19-20 now depend from Claim 18. Therefore, Claims 2-10, 12 and 14-20 should now be in condition for allowance.

#### **CONCLUSION**

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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